CRF E~rs Corrected by th STIC System Branch

Serial Numb r: 09/903,377

CRF Processing Dat : 2/6/2002
Edit d by:
Verified by: _____ (STIC staff)

☐ Changed a file from non-ASCII to ASCII.

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____
_____

*Examiner: Th abov corrections must be communicated to the applicant in th first Offic Action. DO NOT send a copy of this form.

3/1/9

OIPE

RAW SEQUENCE LISTING   DATE: 02/06/2002
PATENT APPLICATION: US/09/903,377   TIME: 08:10:32

Input Set : **N:\jumbos\903377.txt**
Output Set: **N:\CRF3\02062002\I903377.raw**

```
 4 <110> APPLICANT: Allen, Keith D.
 6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CHEMOKINE
 7        RECEPTOR 9A GENE DISRUPTIONS
10 <130> FILE REFERENCE: R-365
12 <140> CURRENT APPLICATION NUMBER: US 09/903,377
13 <141> CURRENT FILING DATE: 2001-07-10
15 <150> PRIOR APPLICATION NUMBER: US 60/217,255
16 <151> PRIOR FILING DATE: 2000-07-10
18 <150> PRIOR APPLICATION NUMBER: US 60/221,483
19 <151> PRIOR FILING DATE: 2000-07-27
21 <150> PRIOR APPLICATION NUMBER: US 60/262,113
22 <151> PRIOR FILING DATE: 2001-01-16
24 <160> NUMBER OF SEQ ID NOS: 4
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 2577
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Targeting vector
36 <400> SEQUENCE: 1
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38 gctgatgact atggctctga atccacatct tccatggaag actacgttaa cttcaacttc 120
39 actgacttct actgtgagaa aaacaatgtc aggcagtttg cgagccattt cctcccaccc 180
40 ttgtactggc tcgtgttcat cgtgggtgcc ttgggcaaca gtcttgttat ccttgtctac 240
41 tggtactgca caagagtgaa gaccatgacc gacatgttcc ttttgaattt ggcaattgct 300
42 gacctcctct ttcttgtcac tcttcccttc tgggccattg ctgctgctga ccagtggaag 360
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44 gtgttgctga tcatgtgcat cagcgtggac aggtacattg ccattgccca ggccatgaga 480
45 gcacatactt ggagggagaa aaggcttttg tacagcaaaa tggtttgctt taccatctgg 540
46 gtattggcag ctgctctctg catcccagaa atcttataca gccaaatcaa ggaggaatcc 600
47 ggcattgcta tctgcaccat ggtttaccct agcgatgaga gcaccaaact gaagtcagct 660
48 gtcttgaccc tgaaggtcat tctggggttc ttccttccct tcgtggtcat ggcttgctgc 720
49 tataccatca tcattcacac cctgatacaa gccaagaagt cttccaagca caaagcccta 780
50 aaagtgacca tcactgtcct gaccgtcttt gtcttgtctc agtttcccta caactgcatt 840
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52 aacattgaca tctgcttcca ggtcacccag accatcgcct tcttccacag ttgcctgaac 960
53 cctgttctct atgtttttgt gggtgagaga ttccgccggg atctcgtgaa aaccctgaag 1020
54 aacttgggtt gcatcagcca ggcccagtgg gtttcattta caaggagaga gggaagcttg 1080
55 aagctgtcgt ctatgttgct ggagacaacc tcaggagcac tctccctctg aggggtcttc 1140
56 tctgaggtgc atggttcttt tggaagaaat gagaaataca tgaaacagtt tccccactga 1200
57 tgggaccaga gagagtgaaa gagaaaagaa aactcagaaa gggatgaatc tgaactatat 1260
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61 gagcccttgg attttctcca tgcactgtga acttctgtgg cttcagttct catgctgcct 1500
62 cttccaaaag gggacacaga agcactggct gctgctacag accgcaaaag cagaaagttt 1560
63 cgtgaaaatg tccatctttg ggaaattttc taccctgctc ttgagcctga taacccatgc 1620
64 caggtcttat agattcctga tctagaacct ttccaggcaa tctcagacct aatttccttc 1680
65 tgttctcctt gttctgttct gggccagtga aggtccttgt tctgattttg aaacgatctg 1740
66 caggtcttgc cagtgaaccc ctggacaact gaccacaccc acaaggcatc caaagtctgt 1800
67 tggcttccaa tccatttctg tgtcctgctg gaggttttaa cctagacaag gattccgctt 1860
68 attccttggt atggtgacag tgtctctcca tggcctgagc agggagatta taacagctgg 1920
69 gttcgcagga gccagccttg gccctgttgt aggcttgttc tgttgagtgg cacttgcttt 1980
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72 aaggggtgaa gcgcaggcct tgctggaagg ctatttactt ccatgcttct ccttttctta 2160
73 ctctatagtg gcaacatttt aaaagctttt aacttagaga ttaggctgaa aaaaataagt 2220
74 aatggaattc acctttgcat cttttgtgtc tttcttatca tgatttggca aaatgcatca 2280
75 cctttgaaaa tatttcacat attggaaaag tgctttttaa tgtgtatatg aagcattaat 2340
76 tacttgtcac tttctttacc ctgtctcaat attttaagtg tgtgcaatta aagatcaaat 2400
77 agatacatta agagtgtgaa ggctggtctg aaggtagtga gctatctcaa tcggattgtt 2460
78 cacactcagt tacagattga actccttgtt ctacttccct gcttctctct actgcaattg 2520
79 actagtcttt aaaaaaaagt gtgaagagta agcaataggg ataaggaaat aagatct     2577
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82 <211> LENGTH: 357
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Targeting vector
89 <400> SEQUENCE: 2
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92 Val Asn Phe Asn Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg
93             20                  25                  30
94 Gln Phe Ala Ser His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile
95          35                  40                  45
96 Val Gly Ala Leu Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys
97       50                  55                  60
98 Thr Arg Val Lys Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile
99 65                  70                  75                  80
100 Ala Asp Leu Leu Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala
101             85                  90                  95
102 Ala Asp Gln Trp Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser
103             100                 105                 110
104 Met Tyr Lys Met Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile
105          115                 120                 125
106 Ser Val Asp Arg Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr
107       130                 135                 140
108 Trp Arg Glu Lys Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile
109 145                 150                 155                 160
110 Trp Val Leu Ala Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln
```

RAW SEQUENCE LISTING   DATE: 02/06/2002
PATENT APPLICATION: US/09/903,377   TIME: 08:10:32

Input Set : N:\jumbos\903377.txt
Output Set: N:\CRF3\02062002\I903377.raw

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111                 165             170             175
112 Ile Lys Glu Glu Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser
113             180             185             190
114 Asp Glu Ser Thr Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile
115     .195             200             205
116 Leu Gly Phe Phe Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile
117     210             215             220
118 Ile Ile His Thr Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala
119 225             230             235             240
120 Leu Lys Val Thr Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe
121             245             250             255
122 Pro Tyr Asn Cys Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met
123             260             265             270
124 Phe Ile Ser Asn Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln
125     275             280             285
126 Val Thr Gln Thr Ile Ala Phe Phe His Ser Cys Leu Asn Pro Val Leu
127     290             295             300
128 Tyr Val Phe Val Gly Glu Arg Phe Arg Arg Asp Leu Val Lys Thr Leu
129 305             310             315             320
130 Lys Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val Ser Phe Thr Arg
131             325             330             335
132 Arg Glu Gly Ser Leu Lys Leu Ser Ser Met Leu Leu Glu Thr Thr Ser
133             340             345             350
134 Gly Ala Leu Ser Leu
135         355
138 <210> SEQ ID NO: 3
139 <211> LENGTH: 200
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Targeting vector
146 <400> SEQUENCE: 3
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148 tccacagatg actacatgaa tttgaatttc agtagcttct tctgtaagaa aaataatgtc 120
149 aggcagtttg caagccattt tctcccacct ctgtactggc ttgtgttcat tgtgggcacc 180
150 ttgggcaaca gcctggtcat                                            200
152 <210> SEQ ID NO: 4
153 <211> LENGTH: 200
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Targeting vector
160 <400> SEQUENCE: 4
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163 gcaagatggt ctgcattacc atctgggtga tggcagctgt gctctgcacc ccagaaatcc 180
164 tgtacagtca agtcagtggg                                            200
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VERIFICATION SUMMARY   DATE: 02/06/2002
PATENT APPLICATION: US/09/903,377   TIME: 08:10:33

Input Set : **N:\jumbos\903377.txt**
Output Set: **N:\CRF3\02062002\I903377.raw**